

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 4:08 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 284 Const Calendar Day: 961 Date: 26-Apr-2012 Thursday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 06:45 AM 06:30 PM Break: 00:30 Over Time: 03:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:**Diary:**

Dispute

Cable Compaction

Overview of work today:

Cable compaction continued today on all spans.

- I was inspecting Jim Benninghove's crew on the North main-span. See below for details of the work performed, & a list of labor for this work.

- Laraine Woo was inspecting compaction on the South main-span.

- Saman Soheili was inspecting compaction the North side-span.

- John Lyons was inspecting compaction on the South side-span.

- I arrived at the pier 7 office at 06:45, & was on the bridge at 07:00.

Cable Compaction – North main-span:

- At 07:10, compaction started at PP74 where they stopped at the end of the night shift.

- At 07:20, I left the North main-span to check on the South main-span. We were a little short of inspectors in the morning because a couple of people were at the safety stand-down. The work at the South main-span was progressing slowly, but with no issues.

- At 08:15, I returned to the North main-span.

- Note: I noticed a crossed wire in the compacted Cable in the area of the Cable band at PP74. The location was near the center of the Cable band, at about 3 o'clock (looking East).

- At 09:30, I left the bridge to attend the safety stand-down. See the diary of Rob Feather for details of the work at this time.

- From 09:40 until 12:00, I attended the safety stand-down.

- At 12:35, I returned to the North main-span.

- The pressures were kept fairly constant during compaction. The normal operation was to bring up the jack pressures to about 8000 psi, & then hammer the Cable to excite the wires. This hammering would typically drop the pressures down to about 7000 psi.

- The production rate throughout the shift was a squeeze about every 15 to 20 minutes. At Cable band areas, the production rate was about 20 minutes per squeeze because they used double straps. In areas not at Cable bands, the rate was about 15 minutes per squeeze.

- At 16:30, compaction was stopped for the day because the crew went to chase slack wires near the East saddle. They started to do the work, but realized they needed some additional equipment, & decided to do it tomorrow morning.

The readings below were measurements taken by me on at the strap locations. They are after the load was released, & at a 20 degree rotation.



Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name** Wright, Doug **Diary #:** 284 **Date:** 26-Apr-2012 **Thursday**

Strap 72-8: Height = 782mm - Width = 790mm
 Strap 72-9: Height = 781mm - Width = 791mm
 Strap 74-1: Height = 781mm - Width = 793mm - Cable band
 Strap 74-2: Height = 779mm - Width = 792mm - Cable band
 Strap 74-3: Height = 778mm - Width = 790mm - Cable band
 Strap 74-4: Height = 783mm - Width = 790mm
 Strap 74-5: Height = 780mm - Width = 792mm
 Strap 74-6: Height = 780mm - Width = 793mm
 Strap 74-7: Height = 780mm - Width = 793mm
 Strap 74-8: Height = 782mm - Width = 795mm
 Strap 74-9: Height = 779mm - Width = 794mm
 Strap 74-10: Height = 780mm - Width = 792mm
 Strap 76-1: Height = 779mm - Width = 792mm - Cable band
 Strap 76-2: Height = 780mm - Width = 791mm - Cable band
 Strap 76-3: Height = 780mm - Width = 791mm - Cable band
 Strap 76-4: Height = 779mm - Width = 792mm
 Strap 76-5: Height = 781mm - Width = 792mm
 Strap 76-6: Height = 782mm - Width = 792mm
 Strap 76-7: Height = 783mm - Width = 790mm
 Strap 76-8: Height = 781mm - Width = 789mm
 Strap 76-9: Height = 783mm - Width = 793mm
 Strap 76-10: This strap was installed, but was still under the roller of the compaction frame, so no measurement was taken yet.

Also, circumference measurements were taken at every strap. These measurements were recorded on the compaction inspection checklist.

- At the end of the shift, I met with ABF Engineer Ankur Singh to review the diameter & circumference measurements on the portion of the Cable that was compacted today. I agreed that the dimensions were acceptable, & signed the buy-off sheet.
- At 17:20, I left the bridge, & arrived back at the pier 7 office at 17:30.
- From 17:30 until 17:45, I talked with Matt Bruce about some of the details of the measuring of the Cable band bolt unstressed lengths in the warehouse. I need to replace him on this work soon.
- From 17:45 until 18:30, I wrote my diary for the day, & filled out the inspection checklist.

04-0120F4 Bid Item: 067 C-PWS-SUC.067 Compact Suspension Cables

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	JNM	MICHAEL DRAPER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	MICHAEL PORTILLO	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Tony Miranda	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	RYAN EVANCHIK	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	JAMES BENNINGHOVE	8.00	2.00	0.00	10.00		<input type="checkbox"/>